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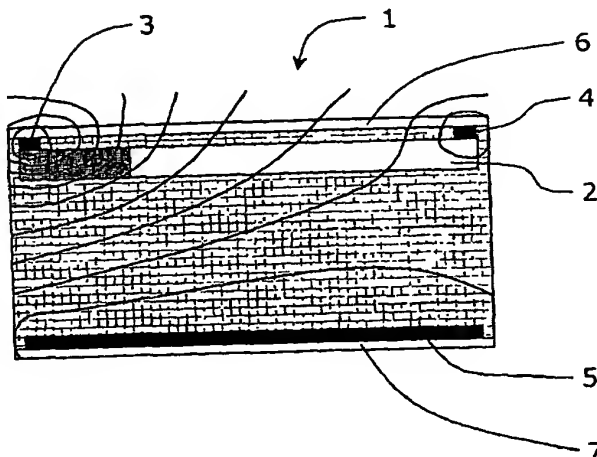
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For two-letter codes and other abbreviations, refer to the "Guid-  
ance Notes on Codes and Abbreviations" appearing at the begin-  
ning of each regular issue of the PCT Gazette.

(54) Title: **AN ELECTROCHROMIC DISPLAY WITH ANALOG GRAY SCALE**



(57) Abstract: A display device comprising a plurality  
of independently addressable pixels (1). Each pixel  
comprises: a first substrate (6); a second substrate  
(7); an electrochromic material (2) disposed between  
said first substrate (6) and said second substrate  
(7). At least two independent electrodes (3, 4) are  
associated with said first substrate (6). An independent  
counter-electrode (5) is associated with said second  
substrate (7). Each respective electrode is connected  
to an independently controllable voltage source. The  
display device has means for controlling the voltage  
applied to each respective electrode (3, 4, 5) for  
producing non-uniform electric fields in each pixel  
(1), for causing partial switching of the electrochromic  
material (2) from a first state to a second state to  
generate an area-ratio-defined pixel gray level.

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## INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 G09G3/38

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)  
EPO-Internal, WPI Data, PAJ, COMPENDEX, INSPEC

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 91 15800 A (MAKOW DAVID M) 17 October 1991 (1991-10-17) cited in the application page 7, line 34 -page 8, line 7 page 9, line 31 -page 10, line 12 page 12, line 3 - line 5 page 11, line 20 - line 28; figure 1 ---	1-11
Y	EP 0 549 337 A (SHARP KK) , 30 June 1993 (1993-06-30) column 4, line 37 - line 44 column 5, line 1 - line 5; figure 3 column 5, line 45 -column 6, line 23 ---	1,2,7,8, 10,11
Y	US 4 469 449 A (KATO TOSHIKIYO) 4 September 1984 (1984-09-04) column 14, line 58 - line 61; figure 1 column 15, line 65 -column 16, line 47 --- -/--	3,4,9

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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